

Connecticut Department of Energy and Environmental Protection











State Presentation - Connecticut

April 27, 2021 Karl Baker 2021 Pipeline Safety Seminar Virtual



Personnel

- Supervisor Karl Baker 27 years
- Engineer 3 Bruce Benson 23 years
- Engineer 3 Daniel Nivison 22 years
- Engineer 2 John DePaolo 10 years
- Engineer 2 Daniel Tomasino 7 years
- Engineer 2 Kevin Dowling 7 years
- Engineer 1 Sean Morris 3 years



Operators

Total Number of Operators: 31

Private Distribution: 3

Municipal: 1

Master Meter operators: 0

Jurisdictional LP operators: 23

Interstate Transmission: 3

Interstate LNG: 1



Pipeline Facilities – Natural Gas

Distribution Main: 8,354 miles

Service Lines: 463,057

Interstate Transmission: 598 miles

LNG: 4 plants



Propane (LPG) Facilities

Total number of LPG facilities: 347

Facilities with 2 – 9 customers: ≈258

Facilities with 10 – 99 customers: ≈89

Facilities with over 100 customers: 0



Distribution Pipeline Materials - Mains

% of Total Pipe

Cast Iron Mileage: 1,141 14%

Unprotected Steel Mileage: 153 2%

Cathodically Protected Steel Mileage: 3,303 40%

Plastic Mileage: 3,757 45%

Other: .5 0%

Cast Iron Replacement Program

All companies are on a 20-year program

DIMP Trackers



Inspections

GPSU Field Inspections

2016 - 471

2017 - 492

2018 - 472

2019 - 484

2020 - 459



Civil Penalties

Year	Number Assessed	Dollars Assessed	Number Collected	Dollars Collected
2016	38	\$294,375	26	\$180,025
2017	45	\$370,200	53	\$492,600
2018	31	\$1,702,725	34	\$1,202,680
2019	42	\$526,400	37	\$1,021,095
2020	33	\$132,400	31	\$176,800



\$60,000 – failure to follow a procedure and failure of supervision/inspection to stop it

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\$50,000 – failure to have an adequate procedure and failure to follow what was there

			Jo	b Proced	ure		
Project	Name:	QUINCY ST/JA/	RVIS CT, FAIRFI	ELD		0	ate: 3/8/201
	Description	on: UPRATE	620'/420' OF 4" P	L LP TO 60#; UPRA	TE 18 SER	IVICES	
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	& Date each						
Step up	oon completion						
	1	TURN OFF ALL	ACTIVE METER	RS ON QUINCY S	T AND JA	ARVIS CT PER CUST	OMER INFO SHEE
	2	CUT 4" PL MA	IN ON QUINCY	ST @ REEF RD A	ND PUR	GE GAS FROM MAI	N
	3	TIE-IN MAIN T	O NEW 4" PL 6	OF MAIN ON RE	EF RD; PL	URGE AND GAS OU	т
	(4)	INSTALL FLOW		ALL ACTIVE SER	VICES PE	R CUSTOMER INFO	SHEET; FITTERS
	S	TURN ON MET	TERS PREVIOUS	SLY SHUT OFF AM	ND RE-LIC	GHT APPLIANCES	
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\$80,000 – failure to follow a procedure and failing to

have adequate inspection









\$75,000 – failure to follow a welding procedure and failing to have an adequate OQ evaluation





– \$25,000 – failure to properly fuse pipe – didn't engage locking mechanism told GPSU machine was broken – signed off on joint as acceptable





- \$50,000 - failure to abandon a service line





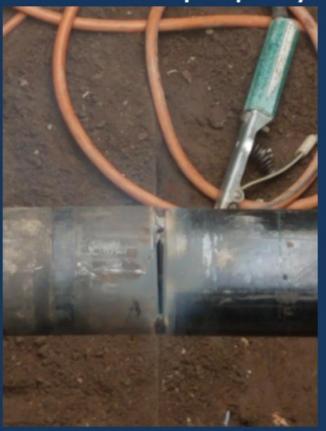
\$10,000 - Jeeping with incorrect voltage (20,000 vs. 2,000), un-calibrated jeeper (2003) and inadequate training and testing (OQ)

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grument. High Voltage Pro	obe	S	417 Agostir	no Road	
anufacturer: Tektronix			San Gabriel		A 91776-2506
Model: peo15A		Se	rial No: 8032974	C/N:	-
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\$50,000 failure to follow welding procedures and

failure to properly inspect







 \$10,000 – failure to paint a meter header and failure to notice it at least 10 different times





\$50,000 – lack of timely remediation for low CP

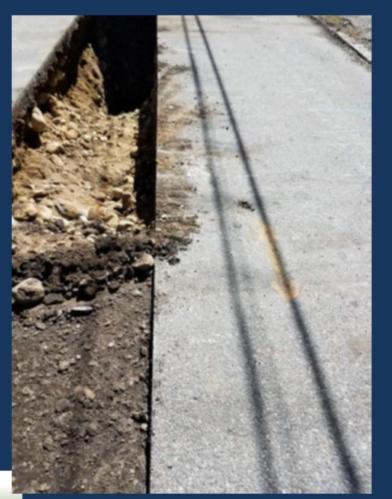
readings







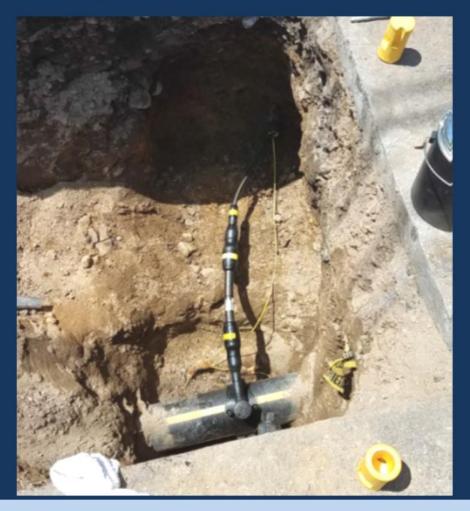
49 CFR 192.755 - failure to protect cast iron







49 CFR 192.361(d) – bend radius



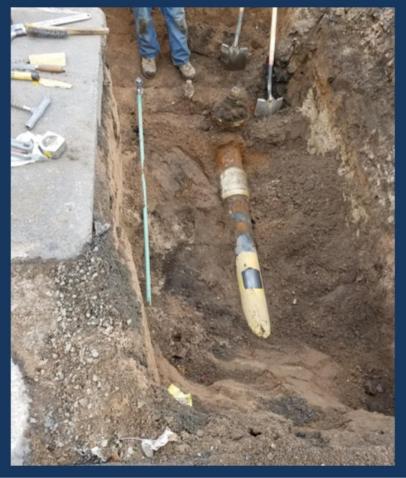


– \$25,000 – fusion w/o drag pressure





– \$25,000 – Bare steel? CP? OQ? AOC?





\$1,500 – LP Facility NFPA 58 Violations



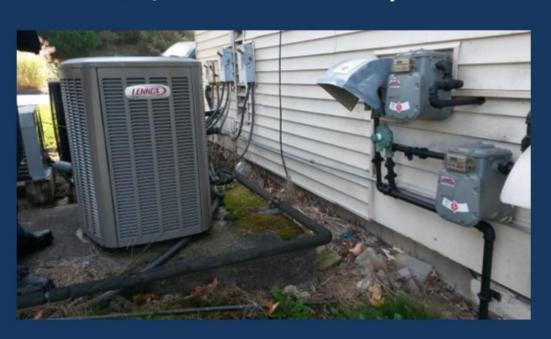






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\$1,500 - LP Facility NFPA 58 Violations



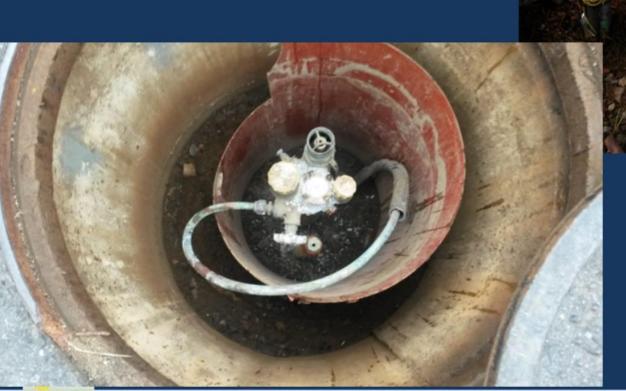




\$5,000 – LP Facility NFPA 58 Violations

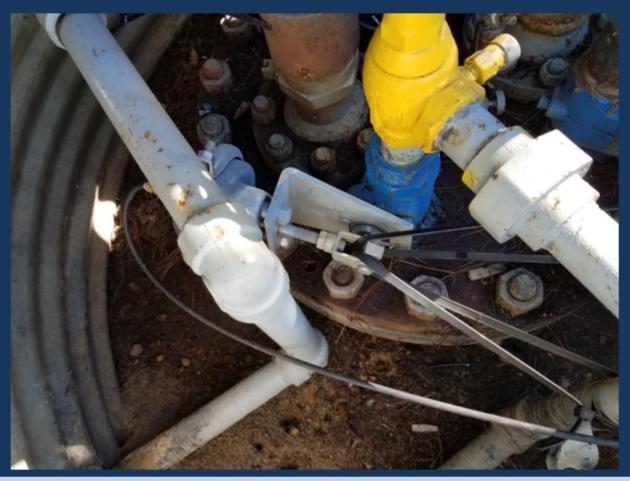


\$7,000 – LP Facility NFPA 58 Violations





\$75,000 – LP Facility NFPA 58 Violations





\$20,000 – TGP "voluntary" donation to CBYD

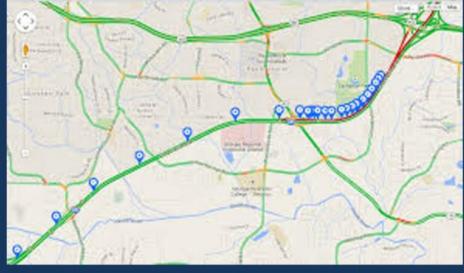




\$? – Outage 2,339 customers – failure of I&R technician to follow procedures









Damage Prevention

Year	Total Locate Requests	Total Damages per 1,000 Locates	Total Gas Damages per 1,000 Locates	Total Gas Damages due to Utility Error per 1,000 Locates	Total Fines Collected
2016	206,131	2.60	1.4	0.4	\$135,300
2017	215,630	2.17	1.5	0.5	\$299,500
2018	227,589	2.25	1.2	0.4	\$419,825
2019	234,095	2.46	1.3	0.5	\$412,725
2020	232,234	2.26	1.3	0.5	\$271,600



Reportable Incidents

Description	Incident Cause	F		Cost
AGT (Interstate) Equipment Failure	Premature relief valve failure below MAOP at unmanned compressor station – reported to NRC 9 days after release	0	0	\$18,415 5.8 MMCF released
AGT (Interstate) Equipment Failure	Belowground 1" threaded connection leak	0	0	\$100,333 \$100,000 repair cost

Should these really be incidents?



Connecticut Department of Energy and Environmental Protection

Reportable Incidents





Regulatory Action

Current Legislative Proposal

Draft Proposed Regulations



Questions?

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860-827-2661

